

Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 60 mm, Non-illuminated, Turn-to-release function, Red, yellow, RAL 3000, with mechanical switch position indication



**Part no.** M22-PVT60P-MPI  
**121465**  
**EL Number** 4315246  
**(Norway)**

| General specifications              |  |  |
|-------------------------------------|--|--|
| Product name                        |  | Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton  |
| Part no.                            |  | M22-PVT60P-MPI   |
| EAN                                 |  | 4015081192854  |
| Product Length/Depth                |  | 67 millimetre  |
| Product height                      |  | 60 millimetre  |
| Product width                       |  | 60 millimetre  |
| Product weight                      |  | 0.051 kilogram   |
| Compliances                         |  | Contact Manufacturer   |
| Certifications                      |  | VDE 0660<br>IEC/EN 60947<br>GL<br>DNV<br>LR  |
| Product Tradename                   |  | M22  |
| Product Type                        |  | Emergency stop/emergency switching off pushbutton  |
| Product Sub Type                    |  | None   |
| Features & Functions                |  |  |
| Bezel color                         |  | Other  |
| Base color                          |  | Yellow   |
| Bezel material                      |  | Other  |
| Color                               |  | Red  |
| Design                              |  | Palm-tree shaped<br>Classical  |
| Features                            |  | Tamper-proof (according to ISO 13850, EN 418)  |
| Illumination                        |  | Non-illuminated  |
| Indication                          |  | Switch position indication red: Pushbutton actuated<br>Switch position indication green: Pushbutton released<br>With mechanical switch position indication |
| RAL-number                          |  | 3000   |
| Unlocking method                    |  | Turn-release   |
| General information                 |  |  |
| Degree of protection                |  | NEMA 4X<br>IP67/IP69K  |
| Lifespan, mechanical                |  | 100,000 Operations   |
| Opening diameter                    |  | 22.5 mm  |
| Operating frequency                 |  | 600 Operations/h   |
| Product category                    |  | RMQ-Titan  |
| Suitable for                        |  | Emergency stop   |
| Type                                |  | Controlled stop pushbutton/emergency-stop button   |
| Ambient conditions, mechanical      |  |  |
| Mounting position                   |  | As required  |
| Shock resistance                    |  | Mechanical, According to IEC/EN 60068-2-27<br>50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms                                     |
| Climatic environmental conditions   |  |  |
| Ambient operating temperature - min |  | -25 °C   |
| Ambient operating temperature - max |  | 70 °C  |
| Climatic proofing                   |  | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |

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| <b>Communication</b>   |  |  |
| Connection to SmartWire-DT   |  | No   |
| <b>Actuator</b>  |  |  |
| Actuating force  |  | 50 N   |
| Actuator color   |  | Red  |
| Actuator diameter  |  | 60 mm  |
| Actuator function  |  | Turn-to-release<br>Switching function latching   |
| <b>Contacts</b>  |  |  |
| Force for positive opening - min   |  | 0 N  |
| <b>Design verification</b>   |  |  |
| Equipment heat dissipation, current-dependent Pvid                               |  | 0 W  |
| Heat dissipation capacity Pdis   |  | 0 W  |
| Heat dissipation per pole, current-dependent Pvid                                |  | 0 W  |
| Rated operational current for specified heat dissipation (In)                    |  | 0 A  |
| Static heat dissipation, non-current-dependent Pvs                               |  | 0 W  |
| 10.2.2 Corrosion resistance  |  | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures                         |  | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat       |  | Meets the product standard's requirements.   |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects |  | Meets the product standard's requirements.   |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                 |  | Please enquire   |
| 10.2.5 Lifting   |  | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.2.6 Mechanical impact   |  | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.2.7 Inscriptions  |  | Meets the product standard's requirements.   |
| 10.3 Degree of protection of assemblies  |  | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.4 Clearances and creepage distances   |  | Meets the product standard's requirements.   |
| 10.5 Protection against electric shock   |  | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.6 Incorporation of switching devices and components                           |  | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.7 Internal electrical circuits and connections                                |  | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors   |  | Is the panel builder's responsibility.   |
| 10.9.2 Power-frequency electric strength   |  | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage   |  | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material                         |  | Is the panel builder's responsibility.   |
| 10.10 Temperature rise   |  | Not applicable.  |
| 10.11 Short-circuit rating   |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.12 Electromagnetic compatibility  |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.13 Mechanical function  |  | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

## Technical data ETIM 9.0

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| Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)   |    |            |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss13-27-37-12-12 [AKF030019]) |    |            |
| Colour button  |    | Red        |
| Construction type lens   |    | Round      |
| Diameter cap   | mm | 60         |
| Hole diameter  | mm | 22.5       |
| Width opening  | mm | 0          |
| Height opening   | mm | 0          |
| Degree of protection (IP)  |    | IP67/IP69K |
| Degree of protection (NEMA)  |    | 4X         |
| Type of button   |    | High       |
| Suitable for illumination  |    | No         |
| With lighting  |    | No         |
| Supply voltage lamp  | V  | 0          |

|                             |  |  |              |
|-----------------------------|--|--|--------------|
| Switching function latching |  |  | Yes          |
| Spring-return               |  |  | No           |
| With front ring             |  |  | No           |
| Material front ring         |  |  | Other        |
| Colour front ring           |  |  | Other        |
| Suitable for emergency stop |  |  | Yes          |
| Unlocking method            |  |  | Turn-release |